SAMSUNG

Samsung GALAXY Note

GT-N7000

user manual

Using this manual

Thank you for purchasing this Samsung mobile device. This device will provide you with high quality mobile communication and entertainment based on Samsung's exceptional technology and high standards.

This user manual has been specially designed to guide you through the functions and features of your device.

Read me first

- Please read all safety precautions and this manual carefully before using your device to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your device.
- Images and screenshots used in this user manual may differ in appearance from the actual product.
- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice.
  Refer to www.samsung.com for the latest version of the user manual.
- Available features and additional services may vary by device, software, or service provider.
- Formatting and delivery of this user manual is based on Google Android operating systems and may vary depending on the user's operating system.
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- Please keep this manual for future reference.

Instructional icons

Before you start, familiarise yourself with the icons you will see in this manual:

Warning—situations that could cause injury to yourself or others

Caution—situations that could cause damage to your device or other equipment

Note—notes, usage tips, or additional information

► **Refer to**—pages with related information; for example: ► p.12 (represents "see page 12")

→ **Followed by**—the order of options or menus you must select to perform a step; for example: In Idle mode, open the application list and select **Settings** → **About phone** (represents **Settings**, followed by **About phone**)

[ ] **Square brackets**—device keys; for example: [▭] (represents the Menu key)

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DivX Certified® to play DivX® video up to HD 720p, including premium content

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

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Assembling

Unpack

Check your product box for the following items:

- Mobile device
- Battery
- Quick start guide

Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by your manufacturer's warranty.

- The items supplied with your device and available accessories may vary depending on your region or service provider.
- You can purchase additional accessories from your local Samsung retailer.
- The supplied accessories perform best for your device.
- Accessories other than the ones supplied may not be compatible with your device.

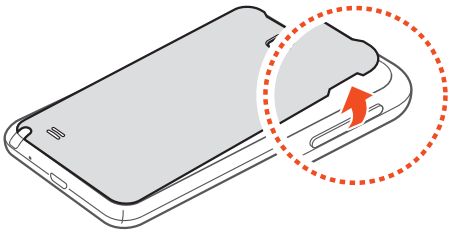
Install the SIM or USIM card and battery

When you subscribe to a cellular service, you will receive a Subscriber Identity Module (SIM) card, with subscription details, such as your personal identification number (PIN) and optional services. To use UMTS or HSDPA services, you can purchase a Universal Subscriber Identity Module (USIM) card.

To install the SIM or USIM card and battery,

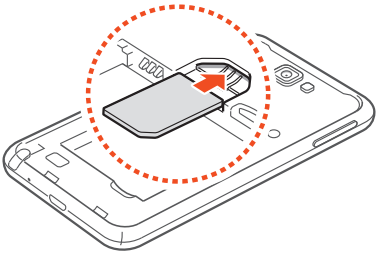
1 If the device is on, press and hold the Power key and select **Power off** → **OK** to turn it off.

2 Remove the back cover.



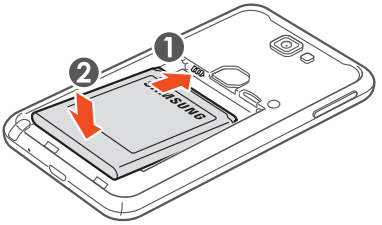
Be careful not to damage your fingernails when you remove the back cover.

3 Insert the SIM or USIM card with the gold-coloured contacts facing downwards.

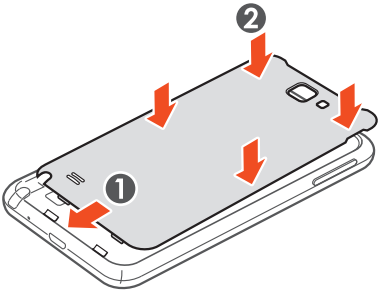


The antenna is located in the upper area on the back of the device. Do not remove the protective tape covering the antenna, as this can damage the antenna.

4 Insert the battery.



5 Replace the back cover.



Charge the battery

Before using the device for the first time, you must charge the battery.

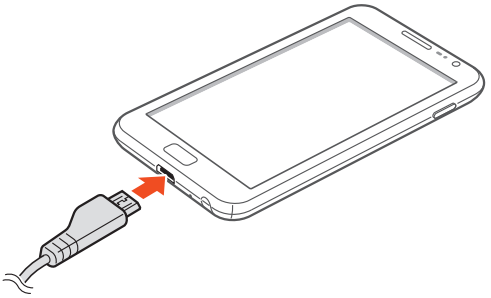
You can charge the device with a travel adapter or by connecting the device to a PC with a USB cable.

Use only Samsung-approved chargers and cables. Unapproved chargers or cables can cause batteries to explode or damage your device.

- When your battery is low, the device will emit a warning tone and display a low battery message. The battery icon will also be empty. If the battery level becomes too low, the device will automatically power off. Recharge your battery to continue using your device.
- If the battery is completely discharged, you cannot turn on the device, even with the travel adapter connected. Allow a depleted battery to charge for a few minutes before you try to turn on the device.

› Charge with a travel adapter

1 Plug the small end of the travel adapter into the multifunction jack.



Connecting the travel adapter improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2 Plug the large end of the travel adapter into an electrical socket.

- You can use the device while it is charging, but it may take longer to fully charge the battery.
- If the device receives an unstable power supply while charging, the touch screen may not function. If this happens, unplug the travel adapter from the device.
- While charging, the device may heat up. This is normal and should not affect your device's lifespan or performance.
- If your device is not charging properly, take your device and the charger to a Samsung Service Centre.

3 When the battery is fully charged, first unplug the travel adapter from the device and then from the electrical socket.

Do not remove the battery before removing the travel adapter. Doing so may cause damage to the device.

To save energy, unplug the travel adapter when not in use. The travel adapter does not have a power switch, so you must unplug the travel adapter from the electrical socket to interrupt the power supply. The travel adapter should remain close to the socket when in use.

› Charge with a USB cable

Before charging, ensure that your PC is turned on.

1 Plug one end (micro-USB) of the USB cable into the multifunction jack.

2 Plug the other end of the USB cable into a USB port on a PC.

Depending on the type of USB cable you are using, it may take some time before charging begins.

3 When the battery is fully charged, first unplug the USB cable from the device and then unplug it from the PC.

Insert a memory card (optional)

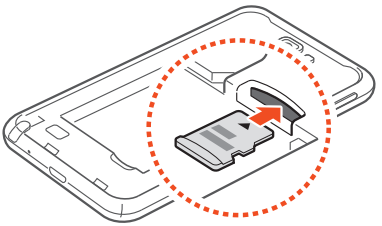
To store additional multimedia files, you must insert a memory card. Your device accepts microSD™ or microSDHC™ memory cards with maximum capacities of 32 GB (depending on memory card manufacturer and type).

Samsung uses approved industry standards for memory cards, but some brands may not be fully compatible with your device. Using an incompatible memory card may damage your device or the memory card and can corrupt data stored on the card.

- Your device supports only the FAT file structure for memory cards. If you insert a card formatted with a different file structure, your device will ask you to reformat the memory card.
- Frequent writing and erasing of data will shorten the lifespan of your memory cards.
- When you insert a memory card into your device, the memory card's file directory will appear in the external_sd folder under the internal memory.

1 Remove the back cover and battery.

2 Insert a memory card with the gold-coloured contacts facing downwards.



3 Push the memory card into the memory card slot until it locks in place.

4 Replace the battery and back cover.

› Remove the memory card

Before removing a memory card, first unmount it for safe removal.

1 In Idle mode, select **Applications** → **Settings** → **Storage** → **Unmount SD card** → **OK**.

2 Remove the back cover and battery.

3 Push the memory card gently until it disengages from the device.

4 Remove the memory card.

5 Replace the battery and back cover.

› Format the memory card

Formatting your memory card on a PC may cause incompatibilities with your device. Format the memory card only on the device.

In Idle mode, select **Applications** → **Settings** → **Storage** → **Unmount SD card** → **OK** → **Format SD card** → **Format SD card** → **Erase everything**.

Before formatting the memory card, remember to make backup copies of all important data stored on your device. The manufacturer's warranty does not cover loss of data resulting from user actions.

Getting started

Turn your device on and off

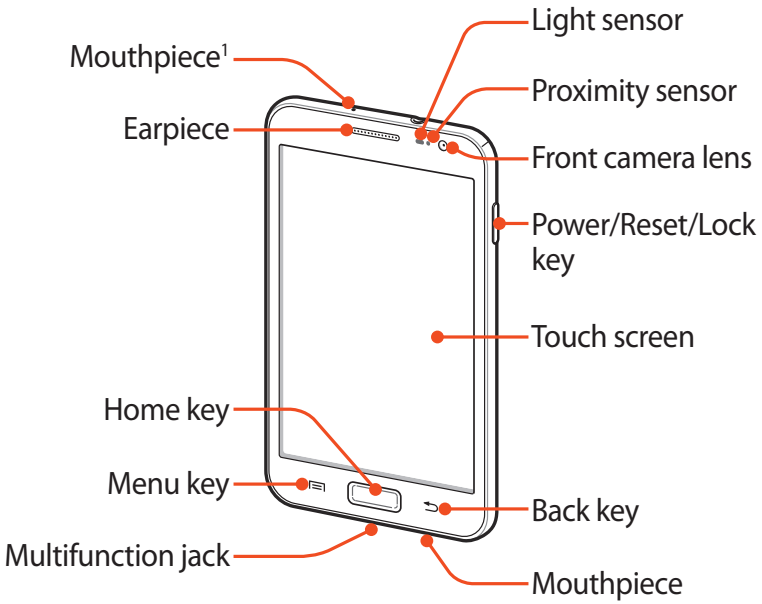
To turn on your device, press and hold the Power key. If you are turning on your device for the first time, follow the on-screen instructions to set up your device.

To turn off your device, press and hold the Power key, and then select **Power off** → **OK**.

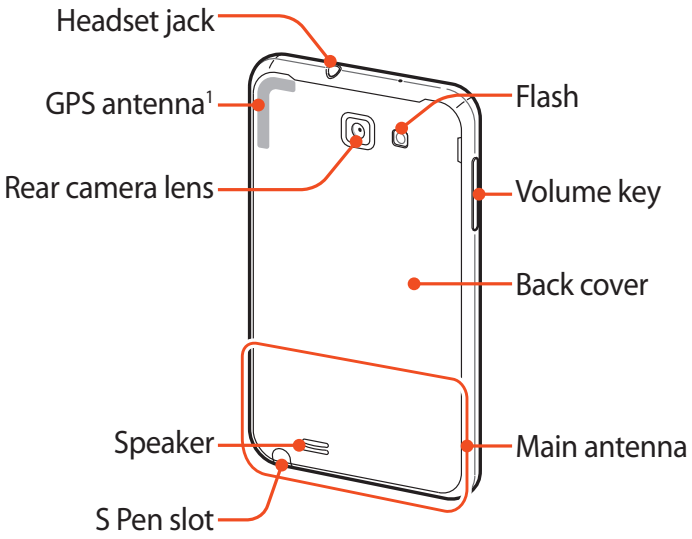
- Follow all posted warnings and directions from authorised personnel in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.
- To use only your devices' non-network services, switch to Flight mode. Press and hold the Power key and select **Flight mode**.

Get to know your device

› Device layout



1. Active only when you use the speakerphone feature or record videos.



› Keys

Key	Function
Power/ Reset[2]/ Lock	Turn on the device (press and hold); Access the quick menus (press and hold); Reset the device (press and hold for 10-15 seconds); Lock the touch screen.
Menu	Open a list of options available on the current screen; In Idle mode, open the Google search application (press and hold); Open the search input window while using some applications (press and hold).

1. Do not touch the antenna area or cover this area with your hands or other objects while using wireless functions.
2. If your device experiences fatal errors, hanging, or freezing, you may need to reset the device to regain functionality.

Key	Function
Home	Return to the idle screen; Open the list of recent applications (press and hold); Launch the voice talk application (press twice).
Back	Return to the previous screen.
Volume	Adjust the device volume.

› Indicator icons

Icons shown on the display may vary depending on your region or service provider.

Icon	Definition
	No signal
	Signal strength
	GPRS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	AllShare in progress
	Open WLANs available
	WLAN connected
	WLAN Direct connected
	Bluetooth feature activated

Icon	Definition
	Bluetooth headset connected
	GPS activated
	Call in progress
	Call on hold
	Speakerphone activated
	Missed call
	Synchronised with the web
	Uploading data
	Downloading data
	Call diverting activated
	Connected to PC
	USB tethering activated
	WLAN hotspot activated
	No SIM or USIM card
	New text or multimedia message
	New email message
	New voice mail message
	Alarm activated
	Event notification
	Roaming (outside of normal service area)
	Silent mode activated

Icon	Definition
	Vibration mode activated
	Flight mode activated
	Music playback in progress
	Music playback paused
	FM radio playing in the background
	Error occurred or caution required
	Battery power level
10:00	Current time

Use the S Pen and the touch screen

Your device's touch screen lets you easily select items or perform functions. Learn basic actions for using the touch screen.

- To avoid scratching the touch screen, do not tap it with anything sharp.
- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- Do not allow the touch screen to come into contact with water. The touch screen may malfunction in humid conditions or when exposed to water.
- Do not bend the S Pen.
- The tip of the S Pen is not replaceable.

- For optimal use of the touch screen, remove the screen protection film before using your device.
- You can purchase a replacement S Pen from your local Samsung retailer.
- If your S Pen is not working properly, take it to a Samsung Service Centre.
- For best results, keep the S Pen mostly perpendicular to the touch screen and avoid using it at sharp angles.

Control your touch screen with the following actions:

- Tap: Touch once with your finger or the supplied S Pen to select or launch a menu, option, or application.
- Tap and hold: Tap an item and hold it for more than 2 seconds to open a list of options.
- Drag: Tap and drag your finger up, down, left, or right to move to items on lists.
- Drag and drop: Tap and hold your finger on an item, and then drag your finger to move the item.
- Double-tap: Tap twice quickly with your finger to zoom in or out while viewing photos or webpages.

- You can perform additional actions with the enhanced S Pen that is supplied with your device. ► p. 42
- Your device turns off the touch screen when you do not use the device for a specified period. To turn on the screen, press the Power key or the Home key.
- You can also adjust the backlight time. In Idle mode, open the application list and select **Settings** → **Display** → **Screen timeout**.

Lock or unlock the touch screen and keys

You can lock the touch screen and keys to prevent any unwanted device operations.

To lock, press the Power key. To unlock, turn on the screen by pressing the Power key or the Home key, tap anywhere on the screen, and then drag outside of the large circle.

You can activate the screen lock feature to prevent others from using or accessing your personal data and information saved in your device. ► p. 32

Get to know the idle screen

When the device is in Idle mode, you will see the idle screen. From the idle screen, you can view indicator icons, widgets, shortcuts to applications, and other items.

The idle screen has multiple panels. Scroll left or right to the panels on the idle screen. You can also select a dot at the bottom of the screen to move directly to the corresponding panel.

› Add items to the idle screen

You can customise the idle screen by adding shortcuts to applications or items in applications, widgets, or folders. To add items to the idle screen,

1. Press [▤] → **Add** or tap and hold the empty area on the idle screen.
2. Select the item category → an item:
   - **Widgets**: Add widgets to the idle screen.
   - **Shortcuts**: Add shortcuts to items, such as applications, bookmarks, and contacts.
   - **Folders**: Create a new folder or add folders for your contacts.
   - **Wallpapers**: Set a background image.

› Move items on the idle screen

1 Tap and hold an item.

2 Drag the item to a new location.

› Remove items from the idle screen

1 Tap and hold an item.
The rubbish bin appears at the bottom of the idle screen.

2 Drag the item to the rubbish bin.

3 When the item turns red, release it.

› Use the notifications panel

In Idle mode, or while using an application, tap the indicator icons area and drag your finger downwards to open the notifications panel. You can activate or deactivate wireless connection features and access a list of notifications for messages, calls, events, or processing status. To hide the panel, drag the bottom of the list upwards.

From the notifications panel, you can use the following options:

- **Wi-Fi**: Activate or deactivate the WLAN connection feature. ► p. 129
- **Bluetooth**: Activate or deactivate the Bluetooth wireless connection feature. ► p. 126
- **GPS**: Activate or deactivate the GPS feature.
- **Silent mode**: Activate or deactivate Vibration mode.
- **Auto rotation**: Activate or deactivate the auto rotation feature.

Available options may vary depending on your region or service provider.

› Add or remove panels to the idle screen

You can add or remove idle screen panels to organise widgets.

1. In Idle mode, press [▤] → **Edit**.
   You can also place two fingers on the screen and pinch them together to switch to Edit mode.
2. Add, remove, or reorganise panels:
   - To remove a panel, tap and hold the thumbnail image of the panel, and then drag it to the rubbish bin at the bottom of the screen.
   - To add a new panel, select +.
   - To change the order of the panels, tap and hold a thumbnail image of a panel, and then drag it to a new location.
3. When you are finished, press [↩].

Access applications

To access your device's applications,

1. In Idle mode, select **Applications** to access the application list.
2. Scroll left or right to another screen.
   You can also select a dot at the bottom of the screen to move directly to the corresponding screen.

3 Select an application.

- When you use applications provided by Google, you must have a Google account.
- You can add an application shortcut by tapping and holding the appropriate icon from the application list. You can move shortcut icons to any location on the idle screen.

4 Press [↩] to return to the previous screen or press the Home key to return to the idle screen.

If you rotate the device while using some features, the interface will automatically rotate as well. To prevent the interface from rotating, open the notifications panel and select **Auto rotation**.

› Organise applications

You can reorganise the applications in the application list by changing their order or grouping them into categories.

1 From the application list, press [▤] → **Edit** → **OK**.

2 Tap and hold an application icon.

3 Drag the application icon to a new location.

You can move an application icon to another screen. You can also move frequently-used applications next to **Home**.

4 Press [▤] → **Save**.

To add a folder or panel to the idle screen,

1. In the application list, press [▤] → **Edit**.
2. Tap and hold an application icon.
3. Drag the application icon to **Add Folder** or **Add Page** at the bottom of the screen.
4. Drag **Add Folder** or **Add Page** to the idle screen.
   A new folder or panel containing the applications is added to the idle screen.
5. If you added a folder, enter a name and select **OK**.
6. Press [▤] → **Save**.

To change the order of the panels,

1. In the application list, place two fingers on the screen and pinch them together.
2. Tap and hold a panel's thumbnail image, and then drag it to a new location.

› Access recent applications

1. Press and hold the Home key to view the applications you have accessed recently.
2. Select an application.

› Use the task manager

Your device is a multitasking device, so can run more than one application at the same time. However, heavy multitasking may cause hang-ups, freezing, memory problems, or additional power consumption. To avoid these problems, end unnecessary programs with the task manager.

1. In Idle mode, open the application list and select **Task manager** → **Active applications**.
   A list of all the active applications on your device appears.
2. To close an application, select **Exit**.
   To close all active applications, select **Exit all**.

Customise your device

Get more from your device by customising it to match your preferences.

› Set the current time and date

1. In Idle mode, open the application list and select **Settings** → **Date and time**.
2. Set the time and date and change other options.

› Turn on or off the touch tone

In Idle mode, open the application list and select **Settings** → **Sound** → **Audible selection**.

› Adjust the ringtone volume

Press the Volume key up or down to adjust the ringtone volume.

› Switch to Silent mode

To mute or unmute your device, do one of the following:

- In Idle mode, open the application list and select **Phone** → **Keypad**, and then tap and hold **#**.
- Press and hold the Power key and select **Silent mode**.
- Open the notifications panel at the top of the screen and select **Silent mode**.

You can set the device to alert you to various events in Silent mode. In Idle mode, open the application list and select **Settings** → **Sound** → **Vibration** → **Always** or **Only in silent mode**.

› Change your ringtone

1. In Idle mode, open the application list and select **Settings** → **Sound** → **Phone ringtone**.
2. Select a ringtone from the list, and then select **OK**.

› Activate an animation for switching windows

In Idle mode, open the application list and select **Settings** → **Display** → **Animation** → **Some animations** or **All animations**.

› Select a wallpaper for the idle screen

1. In Idle mode, press [▭] → **Wallpaper** → an option.
2. Select an image.
3. Select **Save** or **Set wallpaper**.

Samsung is not responsible for any misuse of default images or wallpapers provided on your device.

› Adjust the brightness of the display

1. In Idle mode, open the application list and select **Settings** → **Display** → **Brightness**.
2. Clear the tick box next to **Automatic brightness**.
3. Drag the slider to adjust the brightness.
4. Select **OK**.

The brightness level you set will affect how quickly the device consumes battery power.

› Set a screen lock

You can lock the touch screen by activating the screen lock feature. Your device will require the unlock pattern, PIN, or password each time you turn on the device or unlock the touch screen.

- If you forget your unlock code, take your device to a Samsung Service Centre to reset it.
- Samsung is not responsible for the loss of security codes or private information, or other damages caused by illegal software.

Set an unlock pattern

1. In Idle mode, open the application list and select **Settings** → **Location and security** → **Set up screen lock** → **Pattern**.
2. View the on-screen instructions and example patterns, and then select **Next**.
3. Draw a pattern by dragging your finger to connect at least 4 dots, and then select **Continue**.
4. Draw the pattern again to confirm and select **Confirm**.

Set an unlock PIN

1. In Idle mode, open the application list and select **Settings** → **Location and security** → **Set up screen lock** → **PIN**.
2. Enter a new PIN (numeric) and select **Continue**.
3. Enter the PIN again and select **OK**.

Set an unlock password

1. In Idle mode, open the application list and select **Settings** → **Location and security** → **Set up screen lock** → **Password**.
2. Enter a new password (alphanumeric) and select **Continue**.
3. Enter the password again and select **OK**.

› Lock your SIM or USIM card

You can lock your device with the PIN that is supplied with your SIM or USIM card.

1. In Idle mode, open the application list and select **Settings** → **Location and security** → **Set up SIM card lock** → **Lock SIM card**.
2. Enter your PIN and select **OK**.

Once the SIM lock is enabled, you must enter the PIN each time you turn on the device.

- If you enter an incorrect PIN too many times, your SIM or USIM card will be blocked. You must enter a PIN unlock key (PUK) to unblock the SIM or USIM card.
- If you block your SIM or USIM card by entering an incorrect PUK, take the card to your service provider to unblock it.

› Activate the Find my mobile feature

When someone inserts a new SIM or USIM card into your device, the Find my mobile feature will automatically send the contact number to specified recipients to help you locate and recover your device.

To use this feature, you need a Samsung account to control the device remotely via the web.

1. In Idle mode, open the application list and select **Settings** → **Location and security** → **SIM Change Alert**.
2. Select **Continue**.
3. Enter the email address and password for your Samsung account, and then select **Sign in**.
   To create a Samsung account, select **Create an account**.
4. Select **Alert message recipients**.
5. Enter the password for your Samsung account again and select **Confirm**.
6. Enter a phone number, including the country code (with a **+**).
7. Enter the text message that will be sent to the recipients.
8. Select **Done**.

Enter text

You can enter text by selecting characters on the virtual keypad or by inputting handwriting on the screen.

You cannot enter text in some languages. To enter text, you must change the writing language to one of the supported languages. ► p. 163

› Change the keyboard type

You can change the keyboard type. Tap and hold the text input field, and then select **Input method** → a keyboard type (Samsung keypad or Swype).

› Enter text with the Swype keyboard

1 Tap the first character of a word and then drag your finger to the second character without releasing your finger from the screen.

2 Continue until you have finished spelling the word.

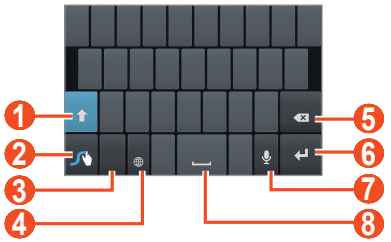
3 Lift your finger.

4 When the device recognises the correct word, select ␣ to insert a space. If the the device does not recognise the word, select an alternative word from the list that appears.

5 Repeat steps 1-4 to complete your text.

- You can also tap the keys to enter text.
- You can tap and hold a key to enter that appear characters above the key. When you tap and hold a key until the character list appears, you can enter special characters and symbols.

You can also use the following keys:



Number	Function
1	Change case.
2	Access the keypad settings; Show the alternative word list for the selected characters; Open the help information (tap and hold).
3	Switch between Symbol mode and ABC/ Number mode.
4	Change the input language; Select input languages (tap and hold).
5	Clear your input.
6	Start a new line.

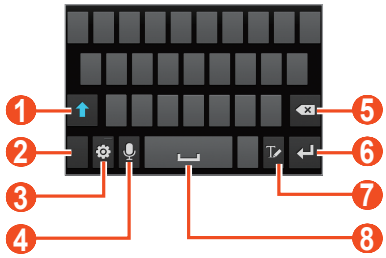
Number	Function
7	Enter text by voice. This feature may be unavailable depending on the selected input language.
8	Insert a space.

› Enter text with the Samsung keypad

1 Select → **Portrait keypad types** and select a text input method (QWERTY or a traditional keypad).

2 Enter text by selecting alphanumeric keys or writing on the screen.

You can also use the following keys:



Number	Function
1	Change case.
2	Switch between Symbol/Number mode and ABC mode.
3	Access the keypad settings; Change the text input method (tap and hold).

Number	Function
❹	Enter text by voice; This icon is available only when you activate the voice input feature for the Samsung keypad. This feature may be unavailable depending on the selected input language.
❺	Clear your input.
❻	Start a new line.
❼	Switch to Handwriting mode. ► p. 48
❽	Insert a space.

› Copy and paste text

From a text field, you can use the copy and paste feature to use the text in other applications.

1. Place the cursor on the text you want to copy.
2. Select .
3. Select **Select word** or **Select all**.
4. Drag or to select the text.
5. Select **Copy** to copy, or **Cut** to cut the text onto the clipboard.
6. In another application, place the cursor where you want to paste the text.
7. Select → **Paste** to insert the text from the clipboard into the text field.

Download applications from Android Market

Your device's functionality can be extended by installing additional applications for the Android platform.

Android Market provides a quick and easy way to shop for games and mobile applications.

- This feature may be unavailable depending on your region or service provider.
- Your device will save user files from downloaded applications in the internal memory.

› Install an application

1. In Idle mode, open the application list and select **Market**.
2. If you are launching this application for the first time, read the terms and conditions, and then select **Accept**.
3. Search for a file or application and download it.

› Uninstall an application

1. From the main Android Market screen, select **My apps**.
2. Select an item.
3. Select **Uninstall** → **OK**.

Download files from the web

Files you download from the web can include viruses that will damage your device. To reduce your risk, only download files from sources you trust.

Some media files include Digital Rights Management to protect copyrights. This protection may prevent you from downloading, copying, modifying, or transferring some files.

To download files from the web,

1. In Idle mode, open the application list and select **Internet**.
2. Search for a file or application and download it.

To install applications downloaded from websites other than Android Market, you must select **Settings** → **Applications** → **Unknown sources** → **OK**.

Synchronise data

You can synchronise data with various web servers and back up or restore your data.

Once the synchronisation is complete, your device stays connected to the web. If a change is made to the data, the updated information will automatically be synchronised between your device and the web server.

This feature may be unavailable depending on your region or service provider.

› Set up a server account

1. In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
2. Select **Add account** → an account type.
3. Follow the on-screen instructions to complete the account setup.

› Activate automatic sync

1. In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
2. Select **Auto-sync**.
3. Select an account.
4. Select the applications that you want to synchronise.

To exclude applications from automatic synchronisation, clear the tick boxes next to the application names.

› Synchronise data manually

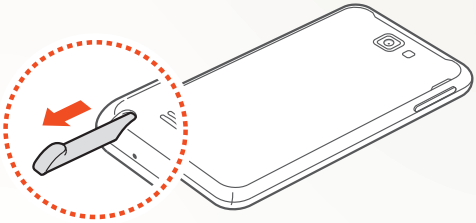
1. In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
2. Select an account.
3. Select **Sync now**. Your device will start synchronising the data you set for synchronisation.

Using special features

Your device can be used as a powerful notepad, thanks to multiple features that help you input text, capture drawings, and use motion controls or voice commands.

Learn basic S Pen actions

Your device is supplied with a specialised S Pen. To perform the following actions, first remove the S Pen from the slot at the bottom of your device.

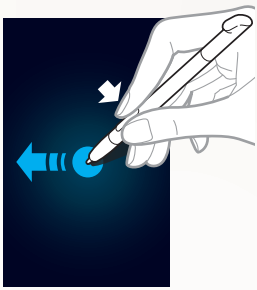


You cannot press the touch keys with the S Pen.

- Tap: Tap an item or area on the screen to select an item, open a menu, or launch an application.
- Tap and hold: Tap and hold the S Pen on an item for more than two seconds.
- Double-tap: Quickly tap an item or area on the screen twice.
- Flick: Tap an area on the screen and then slowly drag the S Pen up, down, left, or right to move through lists or screens.
- Draw: Draw a line or shape on the drawing pad.
- Write: Write text on the handwriting panel.

Learn advanced S Pen actions

Press and hold the button on the side of the S Pen to perform the following actions:



Back

Drag the S Pen to the left to return to the previous screen.

Menu

Drag the S Pen up to open a list of options available on the current screen.

Screen capture

Tap and hold the screen to capture a screenshot.

After capturing a screenshot, you can draw on it, write on it, or crop it. The edited image will be saved in **My files** → **ScreenCapture** → **Capture_Edited**.

You cannot capture a screenshot while using a camera or playing a video.

Quick memo

Double-tap to launch the Quick memo function.

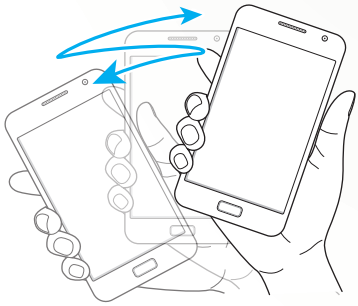
Learn motions

Built-in motion recognition provides you with enhanced controls. You can perform actions by moving your device or performing gestures with your hands.

To use some of these functions, you must first activate the motion recognition feature. In Idle mode, open the application list, and then select **Settings** → **Motion** → **Motion activation**.

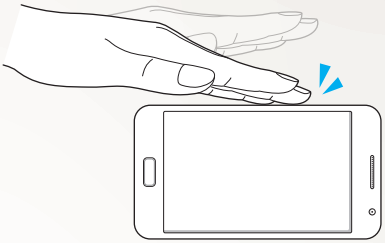
Shake

Shake your device to search for Bluetooth-enabled devices.



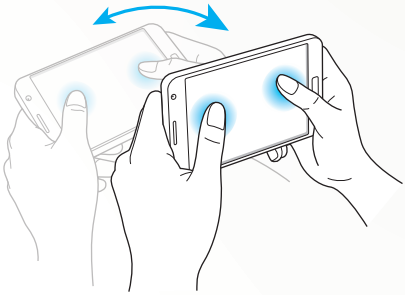
Double-tap

While using Voice talk, begin voice recognition by tapping the device twice quickly.



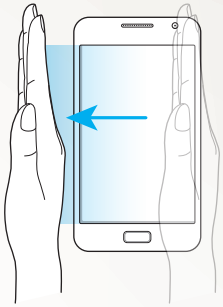
Tilt

While holding the device with two hands, tap and hold two points on the screen, and then tilt the device back and forth to zoom in or out.



Palm sweep

Sweep your palm across the screen to capture a screenshot. The image will be saved in **My files** → **ScreenCapture**.



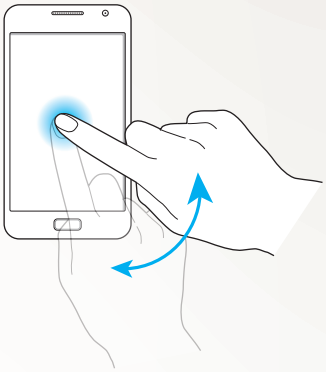
You cannot capture a screenshot while using a camera or playing a video.

Palm touch

Touch the screen with your palm to pause media playback or mute the radio.

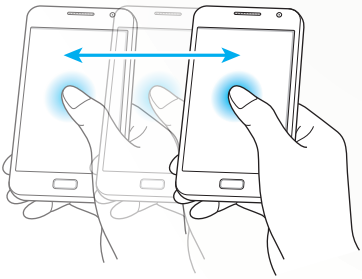
Tap and twist

Place your finger on the screen and then twist it to rotate an image.



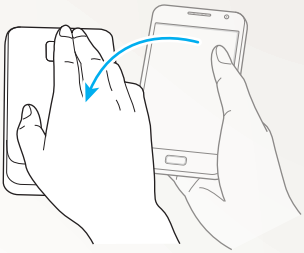
Pan

Tap and hold an item on the screen, and then pan the device to the left or right to move the item to another page on the idle screen or application list.



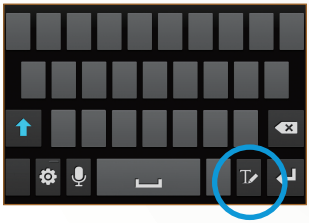
Turn over

Place the device face down to mute ringtones.

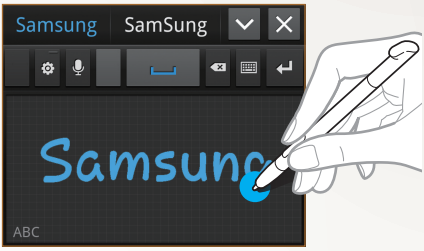


Use Handwriting mode

From the Samsung keypad, you can switch to Handwriting mode to enter text more easily. To switch to Handwriting mode, select .



Write your text on the handwriting panel. When the device recognises the correct word, select ␣ to enter it in the text input field. Otherwise, select a word from the alternative word list.



You can use a variety of gestures in Handwriting mode to edit text. For more information about gestures, select ⚙ → **Handwriting settings** → **Gesture guide**.

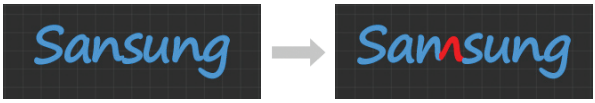
To switch to the Samsung keypad, select ⌨.

› Pen detection

Your device can detect inputs from the S Pen. When you tap the field with the S Pen, the device will open the handwriting panel. To use this feature, select ⚙ → **Pen detection**.

› Handwriting Tutorial

- When you have written one character, write the next one. Write each letter to the right of the previous character. If you draw a stroke on top of a previous character, it may be recognised as a new character.
  - E.g. Not recognised



- Write characters upright (do not slant).
  - E.g. Recognised

  - E.g. Not recognised

- Do not write characters on top of one another.
  - E.g. Recognised

  - E.g. Not recognised

- Most of the languages can recognise not only individual characters but characters written together that make up words. (This is referred to as supporting words and phrases.) The languages that do and do not support words and phrase should be listed in this guide. (All languages which support Handwriting SIP should support words and phrases.)

- Languages that support words and phrases: English UK, English US, Čeština, Български, Dansk, Deutsch, Ελληνικά, Español, Eesti, Suomi, Français, Hrvatski, Magyar, íslenska, Italiano, Қазақ, 한국어, Lietuvių, Latviešu, Norsk, Nederlands, Polski, Português, Română, Русский, Slovenčina, Slovenščina, Srpski, Svenska, Türkçe, Українська
- Supporting recognition of individual characters

- Supporting recognition of words and phrases

- In some languages, cursive writing can be recognised. (Cursive writing recognition)
  - For languages in which cursive writing is recognised, connected character writing should also be recognised.
  - For languages in which cursive writing is not recognised, characters should be written separately.
  - Languages that do and do not support cursive writing should be listed in this guide.
  - Languages that support cursive writing: English UK, English US, Deutsch, Español, Français, Italiano, Nederlands, Português
  - Languages that do not support cursive writing: Čeština, Български, Ελληνικά, Eesti, Hrvatski, Magyar, íslenska, Қазақ, 한국어, Lietuvių, Latviešu, Polski, Română, Русский, Slovenčina, Slovenščina, Srpski, Türkçe, Українська, Dansk, Suomi, Norsk, Svenska

- E.g. A language that supports cursive writing: English

- E.g. A language that does not support cursive writing: 한국어

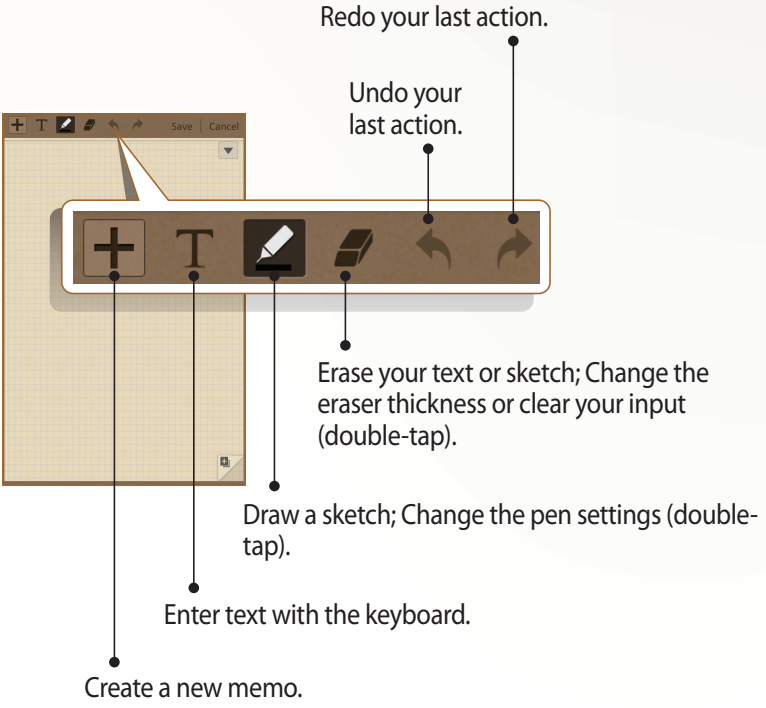
- When writing more than one line, make sure you leave enough space.
  - E.g. Recognised

  - E.g. Not recognised

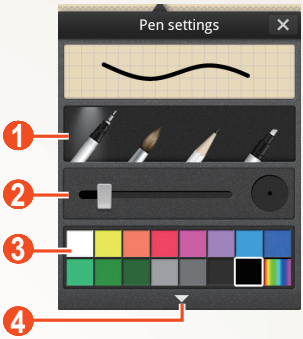
Use S Memo

With S Memo, you can create memos with enriched content by drawing sketches or adding photos or sound clips.

1. In Idle mode, open the application list and select **S Memo**.
2. If you are launching this application for the first time, select the tick box next to **Do not show again**, and then select **Done**.
3. Select .
   To enter text with the keyboard, select .
4. Enter text or draw a sketch.

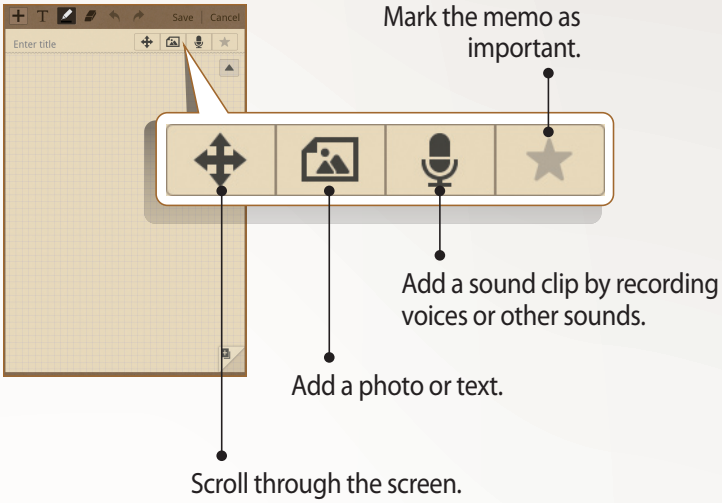

Redo your last action.
Undo your last action.
Save
Cancel
Erase your text or sketch; Change the eraser thickness or clear your input (double-tap).
Draw a sketch; Change the pen settings (double-tap).
Enter text with the keyboard.
Create a new memo.

To change the pen type, line thickness, or pen colour, double-tap .



Number	Function
1	Change the pen type.
2	Change the line thickness.
3	Change the pen colour.
4	Open to view more colour or change the shade of colour. Changing the colour shade is available when you select the highlighter.

5 Select ▼, and then add a photo or sound clip.


Save
Cancel
Enter title
Mark the memo as important.
Add a sound clip by recording voices or other sounds.
Add a photo or text.
Scroll through the screen.

- To add a page, select . ► p. 110
- You can also change the background image of the memo. Press [▤] → **Change background** → an image.
- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together. When zoomed in, drag with two fingers to scroll through the screen.

6 When you are finished, select **Save**.

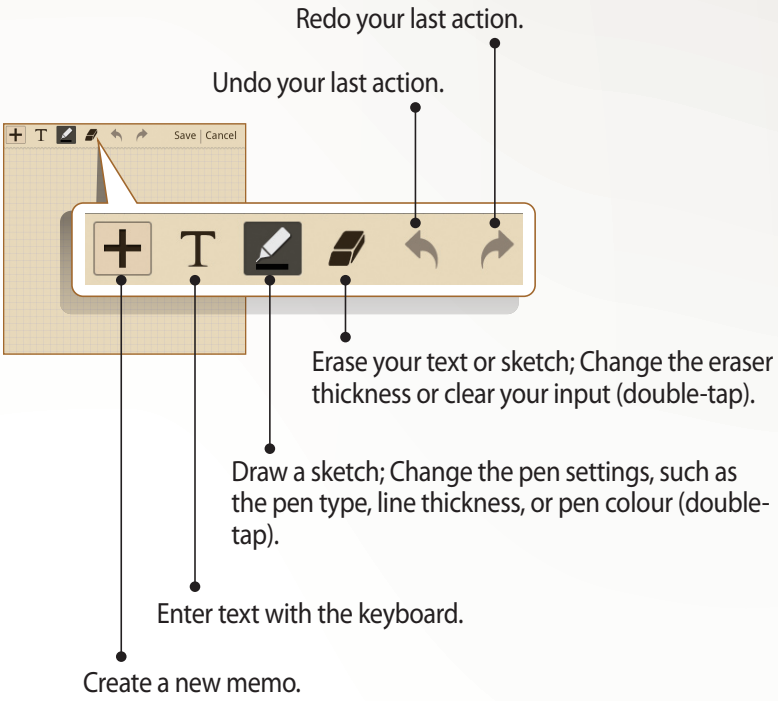
For more information about viewing or editing memos, or using other memo features, see page 110.

Use the quick memo pad

From any screen, you can create a quick memo of text and sketches.

1 While pressing the S Pen button, double-tap the screen to open the quick memo pad.

2 Enter text or draw a sketch.

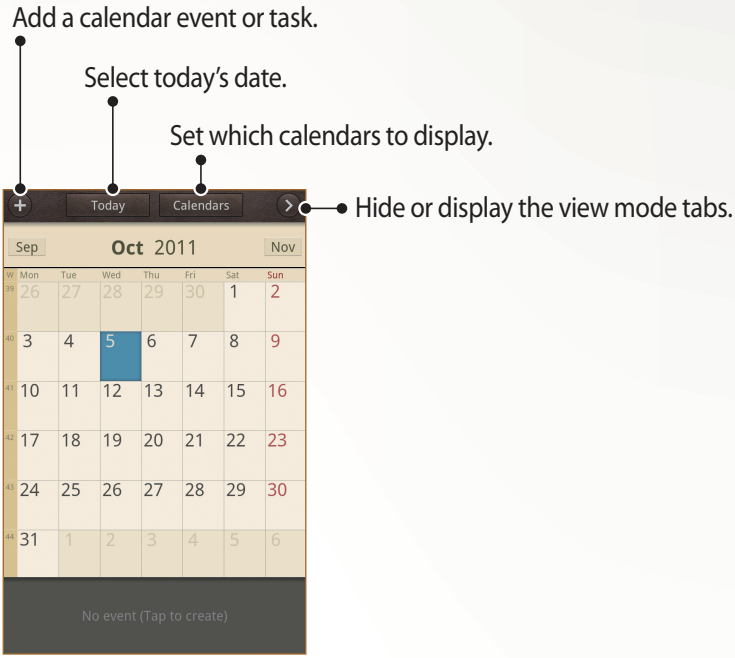

Redo your last action.
Undo your last action.
Save | Cancel
Erase your text or sketch; Change the eraser thickness or clear your input (double-tap).
Draw a sketch; Change the pen settings, such as the pen type, line thickness, or pen colour (double-tap).
Enter text with the keyboard.
Create a new memo.

3 When you are finished, select **Save**.

Use S Planner

Your device provides you with a powerful planner to help you organise your schedules and tasks more conveniently and effectively. You can create and view events, add items, and change view modes.

To launch S Planner, in Idle mode, open the application list, and then select **S Planner**.



› Create an event or task

The tasks and notes you create cannot be synchronised with Google Calendar™.

To create an event,

1. In Idle mode, open the application list and select **S Planner** → .
2. If alert messages about the calendar sync appear, select **OK**.
3. Select **Add event**, and then enter details.
   - To search for and add a location view, select .
   - To add a memo, select **Memos** → **Create S Memo** or **Link to S Memo**.
   - To add a photo, select **Pictures** → **Capture picture** or **Pictures**.
4. When you are finished, select **Save**.

To create a task,

1. In Idle mode, open the application list and select **S Planner** → .
2. Select **Add task**, and then enter details.
   - To add a memo, select **Memos** → **Create S Memo** or **Link to S Memo**.
   - To add a photo, select **Pictures** → **Capture picture** or **Pictures**.
3. When you are finished, select **Save**.

To create an event or task from a memo,

This feature is available only for English and Korean.

1. In Idle mode, open the application list and select **S Planner** → .

2 Select **Quick add**, and then enter details.

3 When you are finished, select **Save**.
The device will automatically classify the details in the text and enter them into the corresponding fields.

› Add a memo

1 In Idle mode, open the application list and select **S Planner**.

2 Change the view mode to month view (if necessary).

3 Tap and hold a day to create a sketch memo.

4 Enter details and select **Save**.

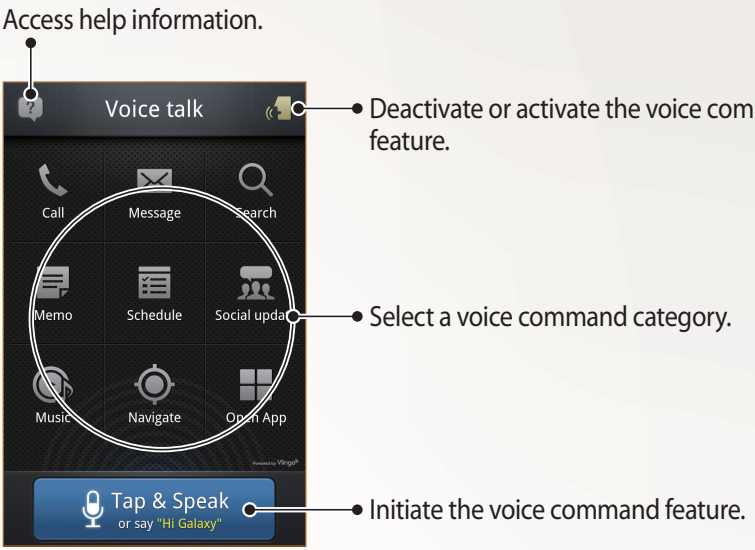
For more information about changing view mode or view events or tasks, see page 107.

Use Voice talk

Built-in voice recognition provides you with a quick and easy way to launch applications and features. When your hands are engaged with other tasks or you are not able to look at the device's screen, such as while you are driving, you can say a command to perform an action.

To launch the voice command feature, quickly press the Home key twice. If you are launching the application for the first time, you will see a tutorial and help information. Afterwards, you will see the main Voice talk screen.

- This feature may be unavailable in some languages.
- This feature may be unavailable depending on your region or service provider.



› Learn voice commands

To view available voice commands, select ? and a category under **What can I say?**

› Use voice commands

1. From the Voice Talk screen, do one of the following:
   - Select a category to view the available commands.
   - Select **Tap & Speak** to initiate the voice command feature. You can say a voice command for any type of feature.
2. Say a command into the microphone, and then select **Done**.
3. Say additional commands to respond to the voice guide for the feature you selected.

Communication

Calling

Learn to use calling functions, such as making and answering calls, using options available during a call or customising and using call-related features.

› Make or answer a call

You can use the buttons or the touch screen when you make, accept, end, or reject calls.

- To prevent accidental inputs, the proximity sensor automatically locks the touch screen when you hold the device near your face. ► p. 155
- Static electricity discharged from your body or clothing may interfere with the proximity sensor during a call.

Make a call

1. In Idle mode, open the application list and select **Phone** → **Keypad**, and then enter an area code and a phone number.
2. Select to make a voice call.
   To make a video call, select .
3. To end the call, select **End call**.

- Use the phonebook to save numbers that you dial frequently. ► p. 102
- To access the call log and redial numbers you have called recently, select **Phone** → **Logs**.

Answer a call

1 When a call comes in, drag outside of the large circle.

To mute the ringtone, press the Volume key while the device is ringing.

2 To end the call, select **End call**.

Reject a call

When a call comes in, drag outside of the large circle.

To send a message when you reject an incoming call, select **Reject call with message**.

First create a text message to be sent to callers. In Idle mode, open the application list and select **Settings** → **Call** → **Set reject messages**.

Call an international number

1 In Idle mode, open the application list and select **Phone** → **Keypad**, and then tap and hold **0** to insert the **+** character.

2 Enter the complete number you want to dial (country code, area code, and phone number), and then select to dial the number.

› Use a headset

By plugging a headset into the device, you can answer and control calls conveniently:

- To answer a call, press the headset button.
- To reject a call, press and hold the headset button.
- To place a call on hold or retrieve a held call, press and hold the headset button.
- To end a call, press the headset button.

› Use options during a voice call

You can use the following options during a voice call:

- To adjust the voice volume, press the Volume key up or down.
- To place a call on hold, select . To retrieve a held call, select .
- To dial a second call, select **Add call,** and then dial a new number.
- To answer a second call, drag outside of the large circle when a call waiting tone sounds. The device asks whether to end or hold the first call. You must subscribe to the call waiting service to use this feature.
- To open the dialling screen, select **Keypad**.
- To activate the speakerphone feature, select **Speaker**.

In noisy environments, you may have difficulty hearing some calls while using the speakerphone feature. For better audio performance, use the normal phone mode.

- To turn off the mouthpiece so that the other party cannot hear you, select **Mute**.
- To converse with the other party via a Bluetooth headset, select **Headset**.
- To open the phonebook, press [▤] → **Contacts**.
- To add a memo, press [▤] → **Memo**.
- To switch between two calls, select **Swap**.
- To make a multiparty call (conference call), make or answer a second call, and then select **Merge** when connected to the second party. Repeat to add more parties. You must subscribe to the multiparty call service to use this feature.

› Use options during a video call

You can use the following options while a video call is in progress:

- To switch between the front and rear camera lens, select **Switch Camera**.
- To turn off the mouthpiece so that the other party cannot hear you, select **Mute**.
- To hide your image from the other party, press [▤] → **Hide me**.
- To select an alternative image to be shown to the other party, press [▤] → **Outgoing image**.
- To open the dialling screen, press [▤] → **Dialpad**.
- To converse with the other party via a Bluetooth headset, press [▤] → **Switch to headset**.
- To activate the speakerphone feature, press [▤] → **Speaker On/Off**.
- To use the other party's image, tap and hold it. You can capture an image of the screen or record the video call.

It is illegal in many areas to record a call without permission. Always ask the other party for permission before recording a call.

› View and dial missed calls

Your device will display missed calls on the display. To return the call, open the notifications panel and select the missed call.

› Use additional features

You can use other call-related features, such as auto rejection, Fixed Dialling Number (FDN) mode, or call diverting or barring.

Set auto rejection

Use auto rejection to reject calls from certain numbers automatically. To activate auto rejection and create auto reject lists,

1. In Idle mode, open the application list and select **Settings** → **Call** → **Call rejection**.
2. Select **Auto reject mode** → an option.

Option	Function
All numbers	Reject all calls.
Auto reject numbers	Reject calls from phone numbers on the Auto reject list.

3. Select **Auto reject list**.
4. Select **Add** and enter a phone number.
5. Select **Match criteria** → an option (if necessary).
6. Select **Save**.
7. To add more numbers, repeat steps 4-6.

Use Fixed Dialling Number (FDN) mode

In FDN mode, your device will restrict outgoing calls, except for the numbers stored in the FDN list. To activate FDN mode,

1. In Idle mode, open the application list and select **Settings** → **Call** → **Additional settings** → **Fixed Dialing Numbers** → **Enable FDN**.

2 Enter the PIN2 supplied with your SIM or USIM card and select **OK**.

3 Select **FDN list** and add contacts to be used in FDN mode.

Set call forwarding

Call diverting is a network feature to send incoming calls to another number that you specify. You can set this feature separately for several conditions when you are not able to answer calls, such as when you are already on the phone or when you are outside of the service area.

1 In Idle mode, open the application list and select **Settings** → **Call** → **Call forwarding** → a call type.

2 Select a condition.

3 Enter a number to which calls will be forwarded and select **Enable**.

Your setting will be sent to the network.

Set call barring

Call barring is a network feature to restrict certain types of calling or to prevent others from making calls with your device.

1 In Idle mode, open the application list and select **Settings** → **Call** → **Additional settings** → **Call barring** → a call type.

2 Select a call barring option.

3 Enter a call barring password and select **OK**.

Your setting will be sent to the network.

Set call waiting

Call waiting is a network feature to alert you of an incoming call while you are on a previous call. This feature is available only for voice calls.

In Idle mode, open the application list and select **Settings** → **Call** → **Additional settings** → **Call waiting**. Your setting will be sent to the network.

› View call logs

You can view logs of your calls filtered by their types.

1 In Idle mode, open the application list and select **Phone** → **Logs**.

2 Press [▤] → **View by** → an option to sort the call logs.

From the call logs, you can make a call or send a message directly to a contact by quickly flicking the contact to the left or right.

3 Select a log to view its details.

From the detail view, you can dial the number, send a message to the number, or add the number to the phonebook or Auto reject list.

Messaging

Learn to create and send text (SMS) or multimedia (MMS) messages, and view or manage messages that you have sent or received.

You may incur additional charges for sending or receiving messages while outside of your home service area. For details, contact your service provider.

› Send a text message

1. In Idle mode, open the application list and select **Messaging**.
2. Select .
3. Add recipients:
   - Enter phone numbers manually and separate them with a semicolon or a comma.
   - Select phone numbers from your call and contact lists by selecting .
4. Select **Tap to enter message** and enter your message text.

   To insert emoticons, press [ ] → **Insert smiley**.
5. Select **Send** to send the message.

› Send a multimedia message

1. In Idle mode, open the application list and select **Messaging**.
2. Select .
3. Add recipients:
   - Enter phone numbers or email addresses and separate them with a semicolon or a comma.
   - Select phone numbers or email addresses from the call, message, or contact by selecting .

When you enter an email address, the device will convert the message to a multimedia message.

4. Press [ ] → **Add subject** and enter a subject for the message.

5 Select **Tap to enter message** and enter your message text.

To insert emoticons, press [▤] → **Insert smiley**.

6 Select 📎 and add an item.

You can select a file, sketch memo, or event from the file list or create a new photo, video, sound, or sketch memo.

7 Select **Send** to send the message.

› View a text or multimedia message

1 In Idle mode, open the application list and select **Messaging**.

Your messages are grouped into message threads by contact.

2 Select a contact.

3 Select a multimedia message to view more details.

› Listen to voice mail messages

If you have set missed calls to be diverted to the voice mail server, callers can leave voice messages when you do not answer incoming calls. To access your voice mail inbox and listen to your messages,

1 In Idle mode, open the application list, select **Phone** → **Keypad**, and then tap and hold **1**.

2 Follow the instructions from the voice mail server.

You must save the voice mail server number before accessing the server. Contact your service provider for the number.

Google Mail

You can retrieve new email messages from the Google Mail™ webmail service to your Inbox. When you access this application, the Inbox screen appears. The total number of unread messages appears in the title bar and unread messages appear in bold type.

- This feature may be unavailable depending on your region or service provider.
- This menu may be labelled differently depending on your service provider.

› Send an email message

1. In Idle mode, open the application list and select **Google Mail**.
2. If you are launching this application for the first time, select **OK**.
3. Press [▭] → **Compose**.
4. Enter a name or address in the recipient field.
   To add more recipients, press [▭] → **Add Cc/Bcc**.
5. Enter a subject and message.
6. To attach an image file, press [▭] → **Attach** → a file.
7. Select ▭ to send the message.

› View an email message

1. In Idle mode, open the application list and select **Google Mail**.
2. Select an email message.

From the message view, use the following options:

Available options may vary depending on the account.

- To reply to the message, select .
- To reply to the message and include all recipients, select → **Reply all**.
- To forward the message to other people, select → **Forward**.
- To mark the message as important, select .
- To view an attachment, select **Preview**. To save it to your device, select **Download**.
- To archive the message, select **Archive**.
- To delete the message, select **Delete**.
- To move to the previous or next message, select or .

› Organise email by labels

You can organise your email by labelling your messages. You can sort messages with the label filter.

Add a label to a message

1. From the Inbox screen, tap and hold a message.
2. Select **Change labels**.
3. Select a label, and then select **OK**.

Filter messages

1. From the Inbox screen, press [▤] → **Go to labels**.
2. Select the label for the messages you want to view.

Email

Learn to send or view email messages via your personal or company email account.

› Set up an email account

1. In Idle mode, open the application list and select **Email**.
2. Enter your email address and password.
3. Select **Next** (for general email accounts, such as Google Mail and Yahoo) or **Manual setup** (for other company email accounts).
4. Follow the on-screen instructions.

When you are finished setting up the email account, the email messages are downloaded to your device. If you have created more than two accounts, you can switch between email accounts. Select an account name at the top left of the screen and select the one you want to retrieve messages from.

› Send an email message

1. In Idle mode, open the application list and select **Email**.
2. Select .
3. Add recipients:
   - Enter email addresses manually and separate them with a semicolon or a comma.
   - Select email addresses from the call, message, or contact lists by selecting .
   - Add more recipients by pressing [ ] → **Add Cc/Bcc**.
4. Select the subject field to enter a subject.

5 Select the text input field to enter your email text.

6 Select **Attach** and attach a file.

You can select a file, sketch memo, or event from the file list or create a new photo, video, sound, or sketch memo.

You cannot attach Digital Rights Management (DRM)-protected files.

7 Select **Send** to send the message.

If you are offline or outside your service area, the message will be held in the message thread list until you are online and inside your service area.

› View an email message

When you open an email account, you can view previously retrieved emails offline or connect to the email server to view new messages. After retrieving email messages, you can view them offline.

1 In Idle mode, open the application list and select **Email** → an email account.

2 Press [▤] → **Refresh** to update the message list.

3 Select an email message.

From the message view, use the following options:

- To move to the previous or next message, select ▲ or ▼.
- To move the message to another folder, select ⇆.
- To delete the message, select 🗑.
- To reply to the message, select ✉ → **Reply**.
- To forward the message to other people, select ✉ → **Forward**.
- To view an attachment, select ⊙ → the attachment. To save it to your device, select 💾.

Talk

Learn to chat with friends and family with the Google Talk™ instant messaging service.

This feature may be unavailable depending on your region or service provider.

› Add friends to your friend list

1. In Idle mode, open the application list and select **Talk**. The friend list shows all of your messaging contacts at a glance.
2. Press [▤] → **Add friend**.
3. Enter a friend's email address and select **Send invitation**.

When your friend accepts the invitation, he or she is added to your friend list.

› Start a chat

1. In Idle mode, open the application list and select **Talk**.
2. Select a friend from the friend list. The chat screen opens.
3. Enter your message and select **Send**.
   To insert emoticons, press [▤] → **More** → **Insert smiley**.
4. To switch between active chats, press [▤] → **Switch chats**.
5. To end the chat, press [▤] → **End chat**.

Social Hub

Learn to access Social Hub™, the integrated communication application for SNS (Social Network Service), email and messages. Visit socialhub.samsungapps.com for more details.

1. In Idle mode, open the application list and select **Social Hub**.
2. If you are launching this application for the first time, add an account or skip it for a later setup.
3. Select a category at the top left of the screen.
4. Check and use contents delivered from Social Hub.

Entertainment

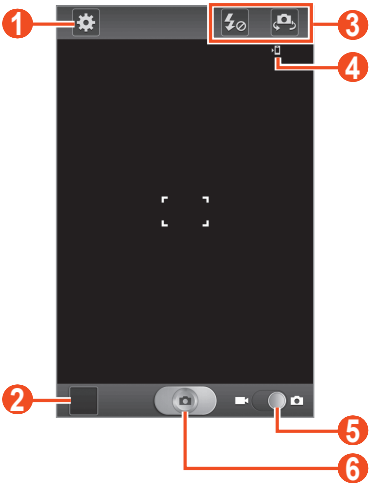
Camera

Learn how to capture and view photos and videos. You can take photos at resolutions up to 3264 x 2448 pixels (8 megapixels) and videos at resolutions up to 1920 x 1080 pixels.

- The camera automatically turns off when you do not use it for a specified period.
- The memory capacity may differ depending on the shooting scene or shooting conditions.

› Capture a photo

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Aim the lens at the subject and make any necessary adjustments.



Number	Function
1	Change the camera settings.
2	Open the image viewer to view photos you captured.
3	Use camera shortcuts. • : Change the flash setting. • : Switch between the front and rear camera lenses. You can add or remove shortcuts to frequently used options. ► p. 87
4	View the default storage location.
5	Switch to the camcorder.
6	Capture a photo.

3 Press the Volume key to zoom in or out.
You can also tap the screen with two fingers and spread them apart to zoom in (move your fingers closer together to zoom out).

4 Tap where you want to focus on the preview screen.
The focus frame moves to the place you tap and changes to green when the subject is in focus.

5 Select to take a photo.
The photo is saved automatically.

After taking photos, select the image viewer icon to view the taken photos.

- To view more photos, scroll left or right.
- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together.
- To send a photo to others, select **Share**.
- To delete a photo, select **Delete**.
- To use additional features with a photo, select **More** and use the following options:
  - **Set as**: Set a photo as wallpaper or a caller ID image for a contact.
  - **Rename**: Rename a photo file.

› Capture a photo with preset options

Your camera provides you with predefined settings for various scenes. You can simply select the proper mode for your shooting conditions and subjects.

For example, when you take photos at night, select the night mode that uses an extended exposure.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select → **Scene mode** → a scene.
3. Make any necessary adjustments.
4. Select to take a photo.

› Capture a photo in Self shot mode

You can take photos of yourself conveniently with the front camera lens.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select → **Self portrait**.
3. Make any necessary adjustments.
4. Select to take a photo.

› Capture a photo in Smile shot mode

Your camera can recognise people's faces to help you take photos of them.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select → **Shooting mode** → **Smile shot**.
3. Make any necessary adjustments.
4. Aim the camera lens at your subject and select .
   Your device recognises people in an image and detects their smiles. When the subject smiles, the device automatically takes a photo.

› Capture a beauty photo

You can hide facial imperfections using Beauty mode.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select → **Shooting mode** → **Beauty**.
3. Make any necessary adjustments.
4. Select to take a photo.

› Capture a panoramic photo

You can take wide panoramic photos with Panorama shooting mode. This mode is convenient for photographing landscapes.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select → **Shooting mode** → **Panorama**.
3. Make any necessary adjustments.
4. Select to take the first photo.
5. Slowly move the device in any direction and align the green frame with the viewfinder.
   When you have aligned the green frame and viewfinder, the camera will automatically take the next photo.
6. Repeat step 5 to complete the panoramic photo.

› Capture a photo in Shareshot mode

You can capture a photo and automatically send it to your friends simultaneously with the Shareshot feature. This mode is available only when Wi-Fi Direct is connected.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select → **Shooting mode** → **Share Shot**.
3. Select **OK** to connect to a Wi-Fi Direct (if necessary).
4. Select users from the list.
   When other users accept the connection, they are highlighted in the user list.
5. Select to take a photo.
   Your photo is sent to the connected users.

› Capture a photo of action

You can capture shots of a moving subject and then combine them into a single photo that shows the action.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select ⚙ → **Shooting mode** → **Action shot**.
3. Make any necessary adjustments.
4. Select to capture the first photo.
5. Move the device to follow the moving subject.
   The device automatically captures the next photos.
6. Continue to follow the subject until the device has captured all the shots necessary for the action photo.

› Capture a photo in Cartoon mode

You can take photos with cartoon effects.

1. In Idle mode, open the application list and select **Camera** to turn on the camera.
2. Select ⚙ → **Shooting mode** → **Cartoon**.
3. Make any necessary adjustments.
4. Select to take a photo.

› Customise camera settings

Before taking a photo, select ⚙ to access the following options:

Option	Function
Edit shortcuts	Edit shortcuts to frequently-used options.
Self portrait	Switch between the front and rear camera lenses.
Flash	Change the flash setting. You can manually turn the flash on or off, or set the camera to automatically use the flash when needed.
Shooting mode	Change the shooting mode.
Scene mode	Change the scene mode.
Exposure value	Adjust the exposure value.
Focus mode	Take close-up photos or set the camera to focus on the subject or focus on human faces automatically.
Timer	Select the length of the delay before the camera takes a photo.
Effects	Apply a special effect, such as sepia or black and white tones.
Resolution	Change the resolution option.
White balance	Adjust the colour balance according to lighting conditions.
ISO	Adjust the sensitivity of the camera imaging sensor.

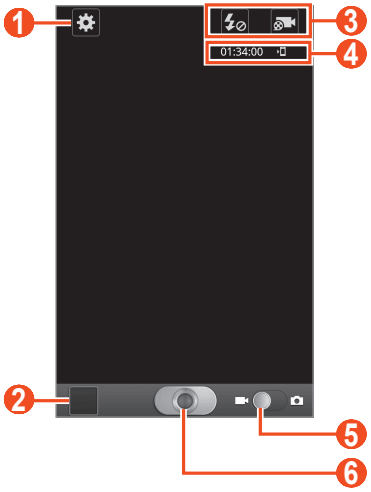
Option	Function
Metering	Select a type of exposure metre.
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
Anti-Shake	Reduce blur caused by the device's vibration or movement.
Auto contrast	Automatically adjust contrast between your subject and the background.
Blink detection	Set the camera to alert you when people close their eyes.
Guidelines	Display the guidelines on the preview screen.
Image quality	Set the quality level for your photos.
GPS tag	Set the camera to include location information for your photos. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
Save as flipped	Set the camera to flip the image automatically when you take a photo with the front camera lens.
Storage	Select a memory location for storing captured photos.
Reset	Reset menus and shooting options.

› Record a video

1 In Idle mode, open the application list and select **Camera** to turn on the camera.

2 Drag the slider to the camcorder to switch to the camcorder.

3 Aim the lens at the subject and make any necessary adjustments.



Number	Function
1	Change the camcorder settings.
2	Open the image viewer to view videos you recorded.
3	Use camcorder shortcuts. • : Change the flash setting. • : Change the recording mode or switch between the front and rear camera lenses. You can add or remove shortcuts to frequently used options. ► p. 87

Number	Function
❹	Check the camcorder status. • 01:34:00 : Length of video that can be recorded (according to available memory) • : Default storage location
❺	Switch to the camera.
❻	Record a video.

4 Press the Volume key to zoom in or out.
You can also tap the screen with two fingers and spread them apart to zoom in (move your fingers closer together to zoom out).

The zoom function may be unavailable when recording at the highest resolution.

5 Select to start recording.

6 Select to stop recording.
The video is saved automatically.

The camcorder may not be able to properly record videos on a memory card with a slow transfer speed.

After recording videos, select the image viewer icon to view the recorded videos.

- To view more videos, scroll left or right.
- To play a video, select .
- To send a video to others, select **Share**.
- To delete a video, select **Delete**.
- To use additional features with a video, select **More** and use the following options:
  - **Play**: Play a video.
  - **Rename**: Rename a video file.

› Customise camcorder settings

Before recording a video, select ⚙ to access the following options:

Option	Function
Edit shortcuts	Edit shortcuts to frequently used options.
Flash	Change the flash setting. You can manually turn the flash on or off.
Recording mode	Change the recording mode.
Exposure value	Adjust the exposure value.
Timer	Select the length of the delay before the camera starts recording a video.
Effects	Apply a special effect, such as sepia or black and white tones.
Resolution	Change the resolution option.
White balance	Adjust the colour balance according to lighting conditions.
Outdoor visibility	Set an appropriate lighting condition.
Video quality	Set the quality level for your videos.
Guidelines	Display gridlines on the preview screen.
Save as flipped	Set the camera to flip the image automatically when you record a video with the front camera lens.
Storage	Select a memory location for storing recorded videos.
Reset	Reset menus and recording options.

› Edit the shortcut icons

You can add or remove shortcuts to frequently-used options.

1. From the preview screen, select ⚙ → **Edit shortcuts** or press [▤] → **Edit shortcuts**.
2. Tap and hold an icon from the option list and drag it to the shortcut area.

   To remove shortcuts, tap and hold an icon and drag it to the option list.
3. Press [↩] to return to the preview screen.

Videos

Learn to use the video player to play various kinds of videos. The video player supports the following file formats: 3gp, mp4, avi, wmv, flv, and mkv (Codecs: MPEG4, H.263, Sorenson H.263, H.264, VC-1, and DivX/XviD).

- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts will be decremented.
- Some file formats are not supported depending on the software of the device.
- If a file size exceeds the memory available, an error may occur when you attempt to play it.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.

1 In Idle mode, open the application list and select **Videos**.
2 Select a video to play.
3 Control playback with the following icons:

Icon	Function
	Change the ratio of the video screen.
	Restart playback; Skip backward (tap within 2 seconds); Scan backward in a file (tap and hold).
	Pause playback; Select ▶ to resume playback.
	Skip forward; Scan forward in a file (tap and hold).
	Activate the 5.1 channel surround sound system when a headset is connected.
	Adjust the volume.

Gallery

Learn to view photos and play videos saved in your device's memory or on a memory card.

› Supported file formats

Type	Format
Image	bmp, gif, jpg, png
Video	3gp, mp4, avi, wmv, flv, mkv (Codecs: MPEG4, H.263, Sorenson H.263, H.264, VC-1, DivX/XviD)

- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts will be decremented.
- Some file formats are not supported depending on the software of the device.
- If a file size exceeds the memory available, an error may occur when you attempt to play it.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.

› View a photo

1. In Idle mode, open the application list and select **Gallery**.
2. Select a folder.
3. To change the view mode, select or at the top right of the screen.
4. Select a photo (with no icon) to view.

While viewing a photo, use the following options:

- To view more photos, scroll left or right.
- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together.

If you activate tilting motions, you can zoom in or out by tapping and holding two points with your fingers, and then tilting the device back and forth. When you are zooming out to the last zoom level more than 1 second, the screen will automatically return to the list.

- To send a photo to others, select **Send via**.
- To delete a photo, select **Delete** → **Confirm deletions**.

- To share a photo with others via AllShare or social network services, press [▤] → **Share via**.
- To set a photo as wallpaper or a caller ID image for a contact, press [▤] → **Set as**.
- To use additional features with a photo, press [▤] → **More** and use the following options:
  - **Copy**: Copy a photo file.
  - **Print**: Print a photo via a USB connection or a WLAN connection. Your device is compatible only with some Samsung printers.
  - **Edit**: Edit a photo.
  - **Crop**: Crop an image from a photo.
  - **Motion**: Access the settings to control motion recognition for your device.
  - **Rotate left**: Rotate a photo anti-clockwise.
  - **Rotate right**: Rotate a photo clockwise.
  - **Slideshow**: Start a slideshow in the selected folder.
  - **Rename**: Rename a photo file.
  - **Details**: View photo details.

› Play a video

1. In Idle mode, open the application list and select **Gallery**.
2. Select a video (with the ▶ icon) to play.
3. Control playback with the virtual keys. ► p. 87

Photo editor

You can edit photos and apply various effects.

1. In Idle mode, open the application list and select **Photo editor**.
2. Select **Select picture** → an image.
3. Select → **New selection** → **OK**.
   - To add to or subtract from the selection border, select → **Add to selection** or **Remove from selection**.
   - To reverse the selection, select → **Inverse selection**.
   - To change the selection size, select .
   - To rotate or flip the image, select .
   - To crop the image, select .
   - To undo or redo your last action, select or .
4. Drag your finger over the area you want to select.
5. Select to apply a colour effect, or select to apply a filter effect.

   To copy, warp, or draw on the photo, select .
6. Select a variation of the effect to apply.
7. Adjust the image as desired (if necessary) and select **Done**.
8. When you are finished, press [] → **Save**.
9. Enter a name and select **OK**.

Video maker

You can edit videos and apply various effects. The video editor supports the following video resolutions and codecs:

Type	Format
Resolutions	176 x 144, 320 x 240, 640 x 480, 720 x 480, 1280 x 720
Codecs	H.264, H.263, MPEG4

- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts will be decremented.
- Some video files in Gallery may not be viewable depending on the video resolutions and codecs.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.

› Create a video

1. In Idle mode, open the application list and select **Video maker**.
2. Rotate the device to landscape view.
3. Select **New project**.
4. Select a frame theme and select **Apply**.
5. Select an appropriate icon on the left pane of the screen to add media files.

6 Tap and hold a file, and then drag it to the bottom pane of the screen and select **Done**.
   - To add more files, repeat step 6.
   - To select the duration that an image is shown, drag the image to the red line and select the duration icon on the preview screen.
   - To delete images or videos, tap and hold an item and then drag it to the rubbish bin.
   - To rearrange images or videos, tap and hold an item and drag it to a new location.
7 Select ⋈ and add a transition effect between images or videos.
8 When you are finished, press [▭] → **Export movie**.
9 Select a resolution option → **Yes**.

› Insert a drawing in a video

1 Launch the video editor and add media files.
2 Drag an image or video to the red line.
3 Select ✎, and then draw on the screen with the following tools:

Icon	Function
✎	Draw a sketch; Change the pen settings (tap and hold).
◇	Erase your text or sketch; Change the eraser thickness or clear your input (tap and hold).
↶	Undo your last action.
↷	Redo your last action.

4 Save the edited video.

› Trim a segment of a video

1. Launch the video editor and add media files.
2. Select .
3. Drag an image or video to the red line.
4. Move the start bracket to the point where you want the file to begin.
5. Move the end bracket to the point where you want the file to end.
6. Save the edited video.

› Split a video

1. Launch the video editor and add media files.
2. Select .
3. Drag an image or video to the red line.
4. Move to the point where you want to divide the file into two clips and select .
5. Save the edited video.

› Apply an effect to a video

1. Launch the video editor and add media files.
2. Select .
3. Drag an image or video to the red line.
4. Select an effect option.
5. Save the edited video.

Music

Learn to listen to your favourite music while on the go with the music player. The music player supports the following file formats: mp3, m4a, mp4, 3gp, 3ga, wma, ogg, oga, aac, and flac.

- Some file formats are not supported depending on the software version of the device.
- If a file size exceeds the memory available, an error can occur when you try to play it.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.

› Add music files to your device

Start by transferring files to your device or memory card:

- Download from the wireless web. ► p. 114
- Download from a PC with Samsung Kies. ► p. 137
- Receive via Bluetooth. ► p. 128
- Copy to your memory card. ► p. 138
- Synchronise with Windows Media Player 11. ► p. 137

› Play music

After transferring music files to your device or memory card,

1. In Idle mode, open the application list and select **Music**.
2. Select a music category.
3. Select a music file.

4 Control playback with the following icons:

Icon	Function
	Activate the 5.1 channel surround sound system when a headset is connected.
	Adjust the volume.
	Activate Shuffle mode.
	Change the repeat mode (off, repeating a file, or repeating all files).
	Restart playback; Skip backward (tap within 2 seconds); Scan backward in a file (tap and hold).
	Pause playback; Select ▶ to resume playback.
	Skip forward; Scan forward in a file (tap and hold).

You can control the music player with a headset. In Idle mode, press and hold the headset button to launch the music player. Press the headset button to start or pause playback.

› Create a playlist

1. In Idle mode, open the application list and select **Music**.
2. Select **Playlists**.
3. Press [▤] → **Create**.
4. Enter a title for your new playlist and select **Save**.
5. Select the new playlist and press [▤] → **Add**.
6. Select the files you want to include and select **Add**.

During playback, you can add files to a playlist by pressing [▤] → **Add to playlist**.

› Customise music player settings

1. In Idle mode, open the application list and select **Music**.
2. Press [▤] → **Settings**.
3. Adjust the following settings to customise your music player:

Option	Function
Equaliser	Select a default equaliser type.
Sound effect	Select a sound effect.
Music menu	Select music categories to display on the music library screen.
Visualisation	Display an animated visualisation during playback.
Lyric	Set to display lyrics during playback. The music player supports lyrics with ID3v2 tags only.

Music Hub

You can access the online music store to search for and buy your favourite songs.

This feature may be unavailable depending on your region or service provider.

1. In Idle mode, open the application list and select **Music Hub**.
2. If you are launching this application for the first time, select the tick box next to **Do not show for 90 days**, and then select **Confirm**.
3. Search for, preview, or buy your favourite songs.

FM radio

Learn to listen to music and news on the FM radio. To listen to the FM radio, you must connect a headset, which serves as the radio antenna.

› Listen to the FM radio

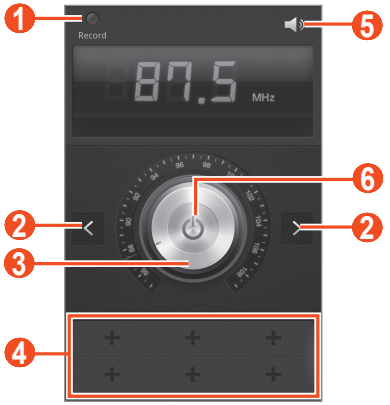
1. Plug a headset into the device.
2. In Idle mode, open the application list and select **FM radio**.

   The FM radio scans and saves available stations automatically.

The first time you turn on the FM radio, it will start automatic tuning.

3 Select the radio station you want from the all station list and press [⮌] to return to the FM radio screen.

4 Control the FM radio with the following keys:



Number	Function
❶	Record a song from the FM radio.
❷	Search for an available radio station.
❸	Fine-tune the frequency.
❹	Add the current radio station to the favourites list.
❺	Adjust the volume.
❻	Turn the FM radio off or on.

› Save a radio station automatically

1. Plug a headset into the device.
2. In Idle mode, open the application list and select **FM radio**.
3. Press [▤] → **Scan** → a scanning option.
   The FM radio scans and saves available stations automatically.
4. Select the radio station you want from the all channels list and press [↩] to return to the FM radio screen.

› Add a radio station to the favourites list

1. Plug a headset into the device.
2. In Idle mode, open the application list and select **FM radio**.
3. Select ⏻ to turn on the FM radio.
4. Scroll to a radio station.
5. Select + to add the station to the favourites list.

› Customise FM radio settings

1 In Idle mode, open the application list and select **FM radio**.

2 Press [▤] → **Settings**.

3 Adjust the following settings to customise your FM radio:

Option	Function
Background playing	Set whether or not to run the FM radio in the background while using other applications. If this feature is on, you can control the FM radio from the notifications panel.
Show station ID	Set whether or not to show the station ID on the FM radio screen. Station IDs are available only from radio stations that provide this information.
Alternative frequency	Set whether or not the FM radio attempts to retune a radio station when the signal is weak.
FM auto off	Set the FM radio to automatically turn off after a specified length of time.